

Title: METHOD AND SYSTEM FOR BALANCING LOAD
DISTRIBUTION ON A WIDE AREA NETWORK

Inventors: Bryan D. Skene et al.

Application No. 09/459,815 Docket No. 50002.2USU1

1/20

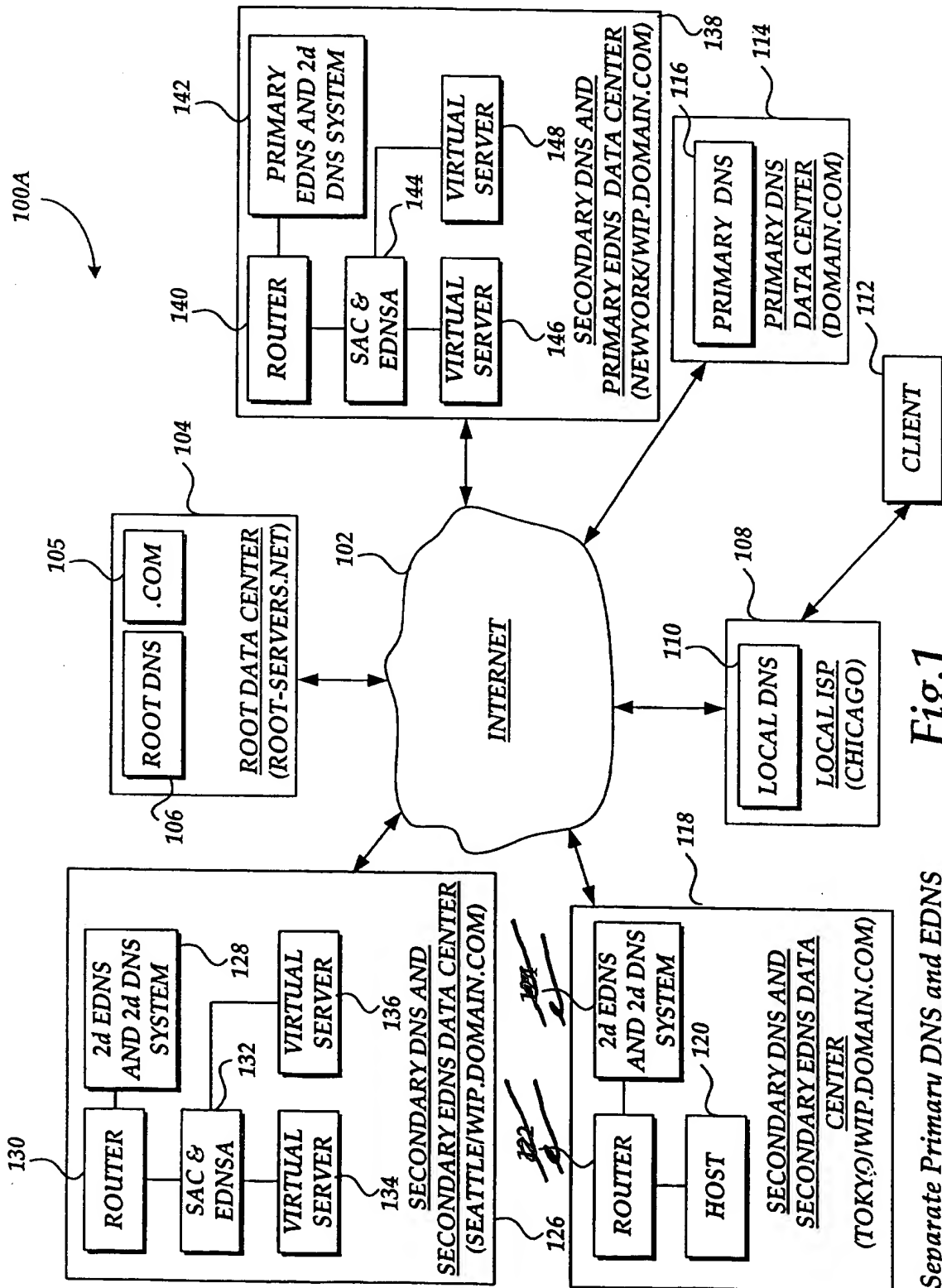


Fig.1

Separate Primary DNS and EDNS

51865h/b0

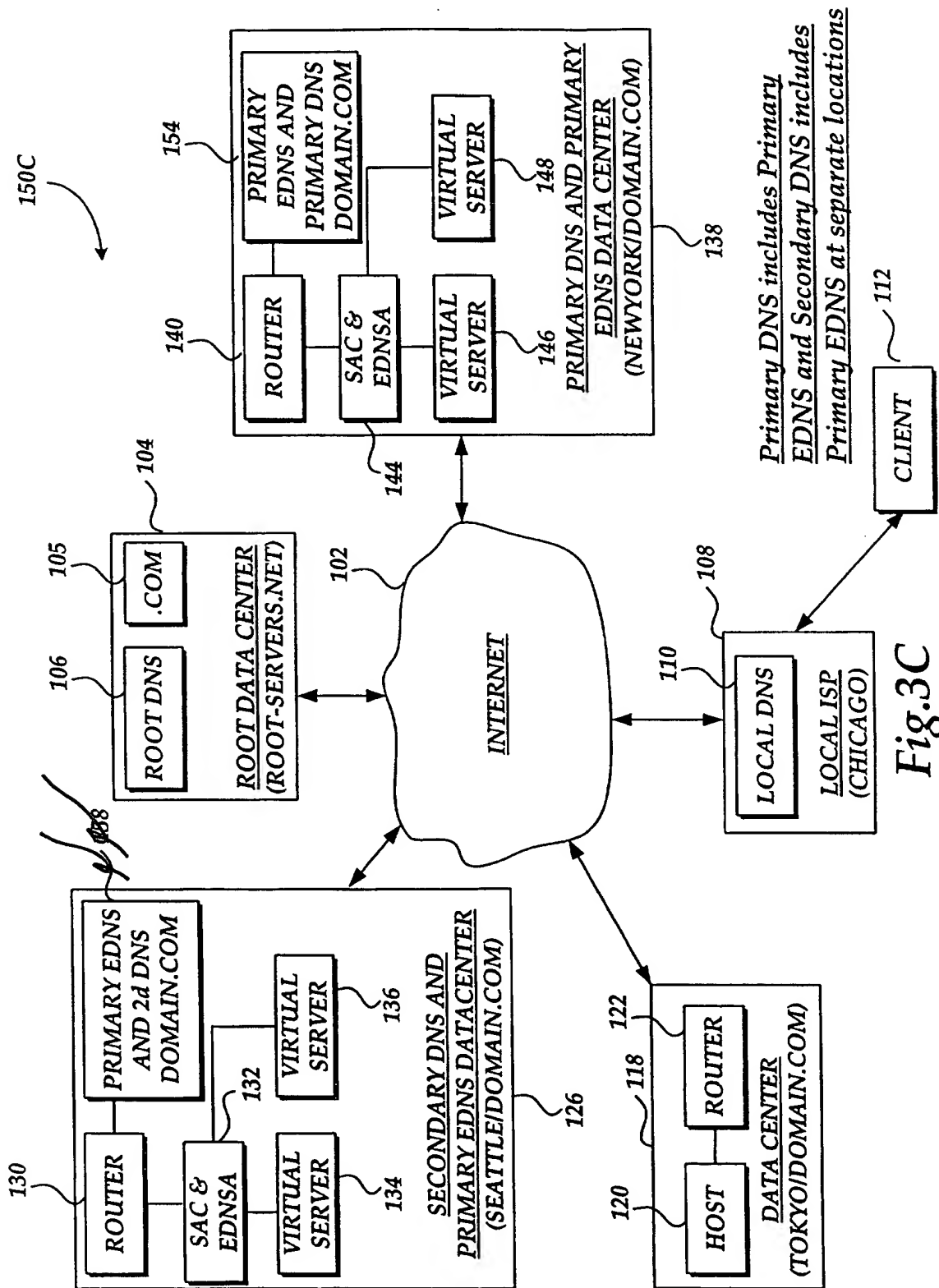


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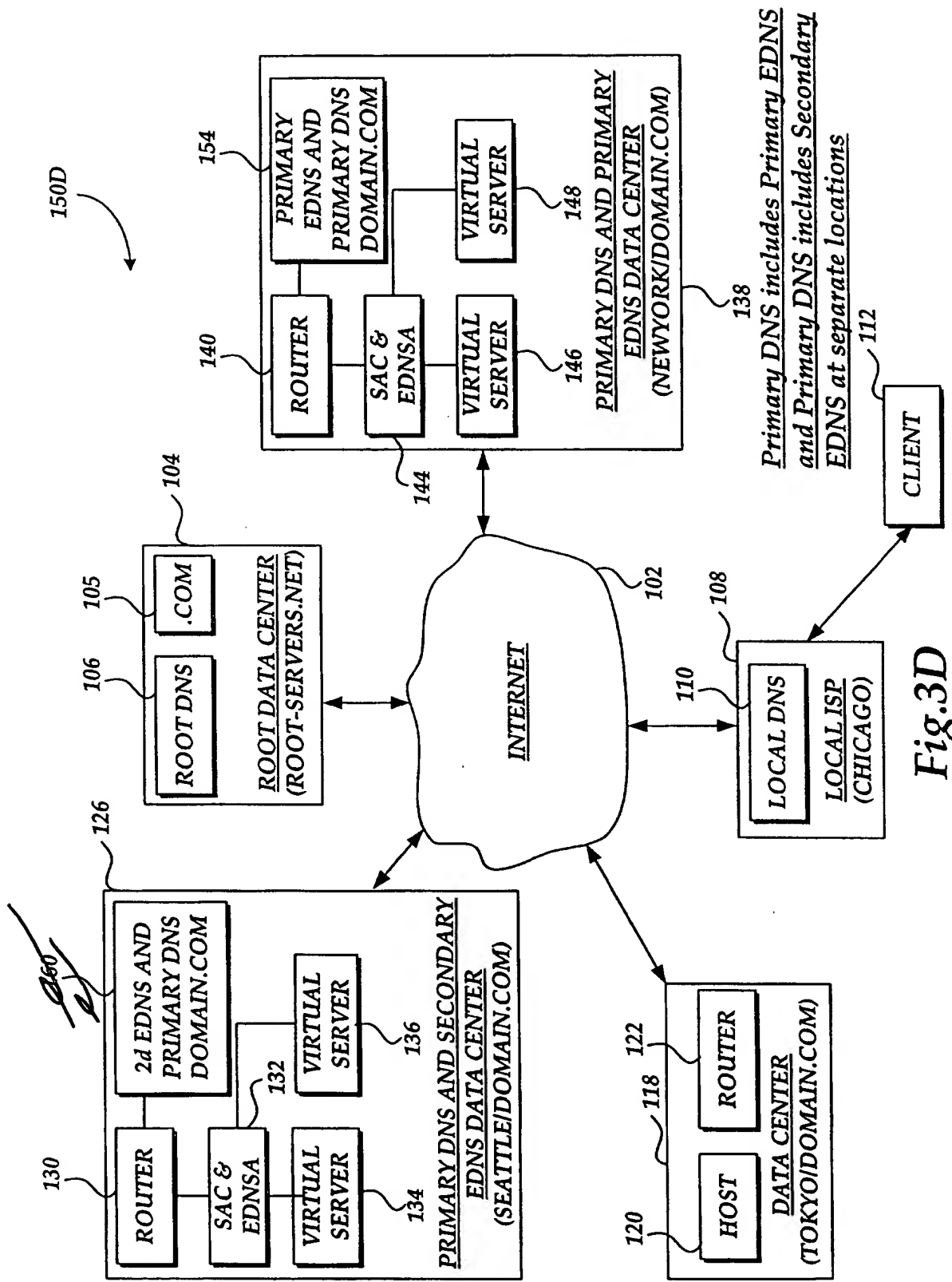


Fig.3D

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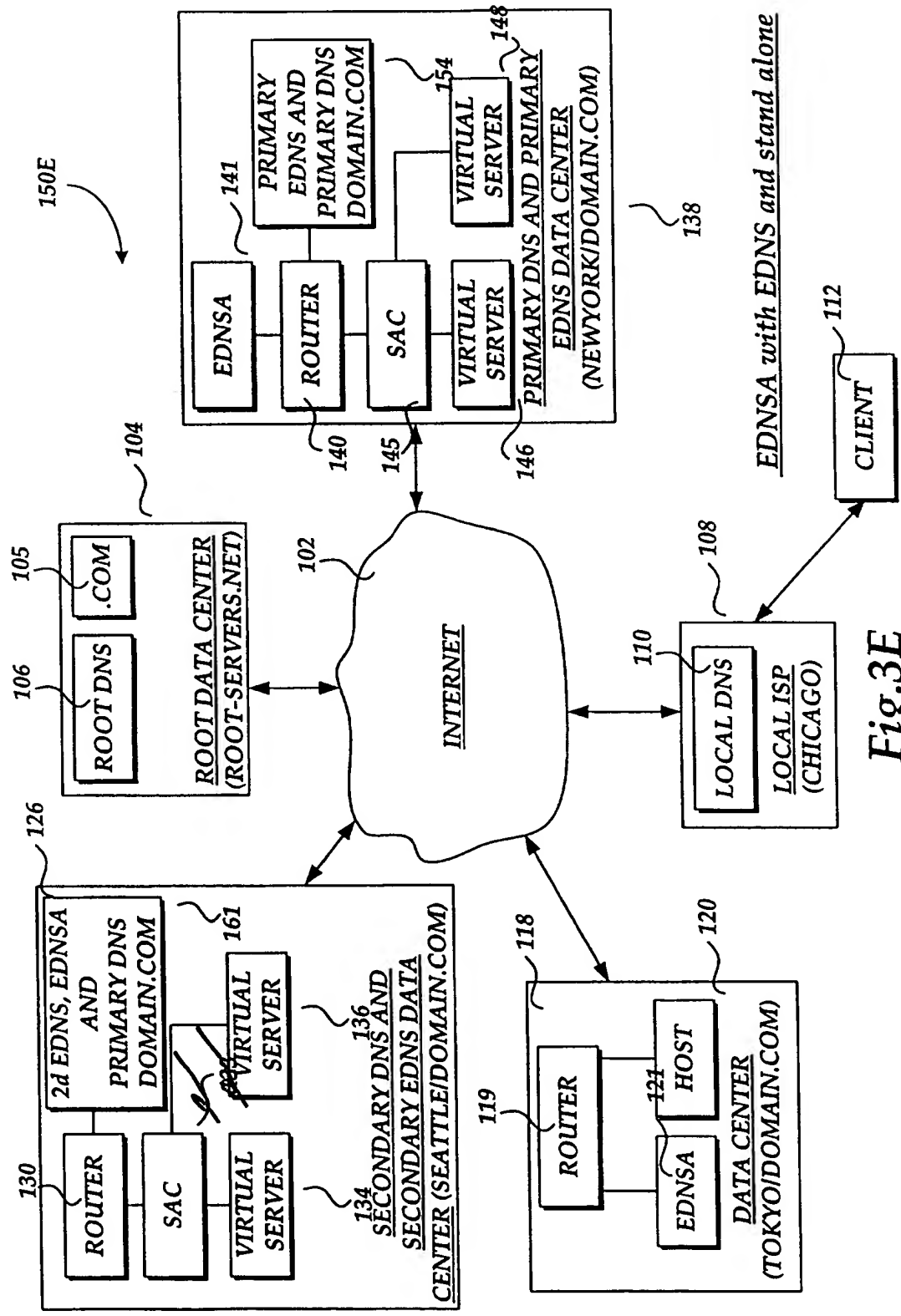
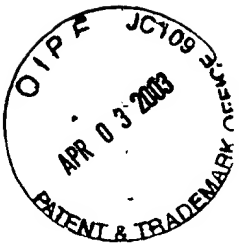


Fig.3E

5186sh/bQ



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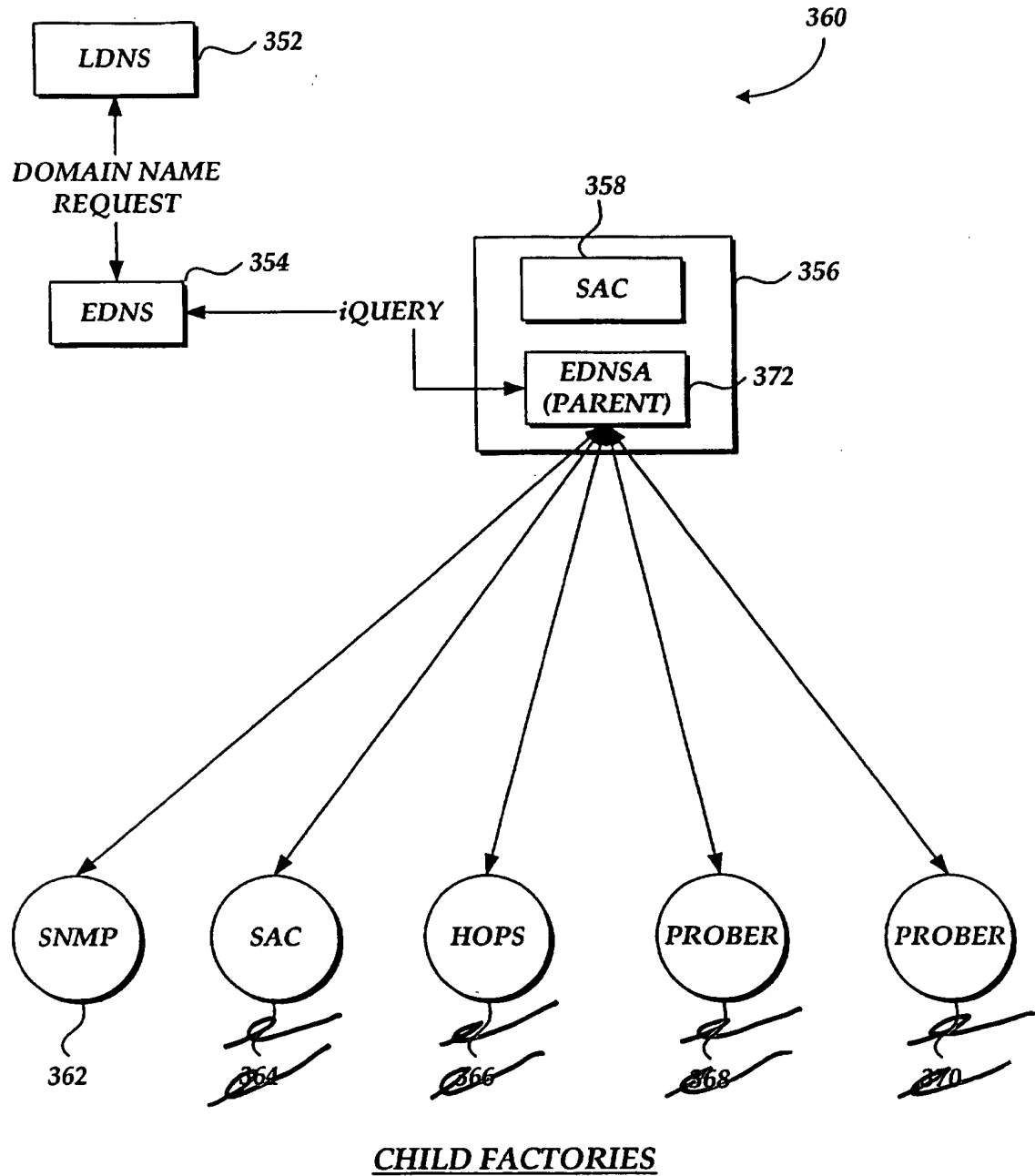


Fig.12



TECHNICAL METHOD AND SYSTEM FOR BALANCING LOAD
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TOPOLOGY {

ACL_THRESHOLD 1

LIMIT_PROBES YES

LONGEST_MATCH YES

// SERVER/MASK (BIG/IP)

LDNS/MASK

SOURCE

// NORTH AMERICA DOESN'T GO TO THE SOUTH AMERICA DATA CENTER

200.107.34.0/24

198.0.0.0/8

0

200.107.34.0/24

199.0.0.0/8

0

// SOUTH AMERICA DOESN'T GO TO THE NORTH AMERICA DATA CENTER

199.5.23.0/24

200.0.0.0/8

0

199.5.23.0/24

201.0.0.0/8

0

Fig.13

TOPOLOGY SCORE {

// SERVER/MASK (BIG/IP)

LDNS/MASK

SCORE

/*** NY Office ***/

/* NY Office --> NJ (high score) */

209.67.0.0/16

207.25.53.0/24

100

/*** Brazil ***/

/* Brazil --> Brazil (high score) */

200.211.0.0/16

200.255.0.0/16

100

/* Brazil --> Argentina (low score) */

63.65.0.0/16

200.255.0.0/16

5

/* Brazil --> New Jersey (low score) */

209.67.0.0/16

200.255.0.0/16

5

/* Brazil --> New York (low score) */

167.216.0.0/16

200.255.0.0/16

5

Fig.14

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